



भारतसरकार

GOVERNMENT OF INDIA

पेट्रोलियम एवं विस्फोटक सुरक्षा संगठन

PETROLEUM & EXPLOSIVES SAFETY ORGANISATION

कार्यालय उप मुख्य विस्फोटक नियंत्रक

Office of the Dy. Chief Controller of Explosives

National Academy for Petroleum & Explosives Safety & Testing Station

18 किमी स्टोन/18 km. Mile Stone

अमरावती रोड, गोंडखैरी, /Amravati Road, Gondkhairy

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नागपुर - 440 023./Nagpur-440 023

पत्रांक - A-42016/1/Training19/NAPES&TS

दिनांक :- 04/02/2021

CIRCULAR

Sub :- Registration for 4 weeks Certificate Course from 08/02/2021 to 05/03/2021 designed for personnel aspiring to obtain recognition as Competent Person and Inspector under the SMPV (U) Rules, 2016.

All personnel aspiring to obtain Recognition as Competent Person and Inspector under Rule 12, Rule 18, Rule 19, Rule 33 & Rule 43 of SMPV (U) Rules, 2016 may register for the subject course by sending e-mail to hpsangole@explosives.gov.in by 07/02/2021, only those persons having requisite qualification and experience as per SMPV (U) Rules, 2016 may only register.

The course will be conducted partly online through Cisco Webex meeting App and partly through direct contact from 08/02/2021 to 05/03/2021 as per the schedule enclosed as Annexure.

The course will be coordinated by National Academy for Petroleum & Explosives Safety & Testing Station, Gondkhairy, and a link will be sent to all registered participants for the Cisco Webex Meeting App. they may join the course online through the above said link, for the contact programme at NAPES&TS, Gondkhairy all participants shall make their own stay arrangements, working lunch and tea will however be provided by NAPES&TS, Gondkhairy during the contact programme.

Encl:- As above.

(M.K. JHALA)

Chief Controller of Explosives (A.C.)

To

All Circle / Sub-Circle / Factory-attached Offices & FRDC, Sivakasi (are advised to give wide publicity to this circular).

**Schedule of Training for Certificate Course from 8-2-2021 to 5-3-2021 for the personnel aspiring to obtain recognition as
Competent Person and Inspector under SMPV (U), 2016.**

Inauguration of Training Course Through Virtual Mode

**by
Smt. Sumita Dawra, Addl. Secretary, DPIIT, Ministry of Commerce and Industry, New Delhi
on
08-02-2021 2:30 PM to 4:00 PM**

Sl. No	Topic Description	Date	Duration	Faculty	
1	Basic of Pressure Vessel Design and Engineering	08-02-2021	4:15 PM to 6:00 PM	Niraj Desai Lead Static Equipment Design, M/s Larsen & Toubro Engineering, Hazira & Sh. Prakash Patel DGM – Head Design & Engg, M/s Larsen & Toubro Engineering, Hazira Prakash Patel	
	1.1				Design code & Scope of SMPV(U) Rules
	1.2				Manufacturer's Responsibility
	1.3				Importance of fabrication tolerances in Pressure vessel fabrication
	1.4				Heat treatment requirement and Material Technical Delivery Condition
	1.5				NDT & Hydro-test requirement
2	Quality Assurance	09-02-2021	3:00 PM to 5:00 PM	Rushikesh Jani Manager – Quality Assurance, M/s Larsen & Toubro Engineering, Hazira	
	2.1				What is Quality Assurance and Why Quality Assurance?

	What is Quality Management System (QMS) and why?			
2.2	Implementation, maintain and monitor the QMS			
2.3	Quality Assurance during Project execution			
2.4	Tools for QA (Quality Planning, Audits, Quality Review, Instrument Calibration, Records, Client/Client repetitive TPI Coordination)			
2.5				
3	Welding Engineering	10-02-2021	3:00 PM to 5:00 PM	Sh.Pratik Gandhi ,Asstt.Manager –Welding, M/s Larsen & Toubro Engineering,Hazira Sh. Hemal Patel- Asstt.Manager –Welding, M/s Larsen & Toubro Engineering,Hazira
3.1	Overview of Welding & Common Welding Processes			
3.2	Importance of Welding Qualifications (WPS / PQR / Welder)			
3.3	Overview of Welding Requirements for ASME BPV Sec VIII – Div. 1, Div.2			
3.4	Welding Defects, Causes & Remedies			
3.5	Welding Flaws & its Detectability			
3.6	Welding Documentation requirement for fabrication as per SMPV (U) Rules			
4	Quality Control, Inspection & Testing	11-02-2021	3:00 PM to 5:00 PM	Sh. Niyant Mehta, DGM – QC Static Equipment, , M/s Larsen & Toubro Engineering,Hazira Sh. Keyur Desai,Asstt. Manager-QC, M/s Larsen & Toubro Engineering, Hazira
4.1	Overview of Pressure Vessel			
4.2	Scope and Limitation of Pressure Vessel Inspection			

5	4.3	Inspection Planning, Inspection Procedures, Inspector Qualification	12-02-2021	3:00 PM to 5:00 PM	Sh. Satish Mistry Manager – NDE (Level-III), M/s Larsen & Toubro Engineering, Hazira Pushpendra
	4.4	Quality control tools, Internal Inspection, External Inspection			
	4.5	Hydrostatic Test			
	4.6	Final inspection			
	Non Destructive Examination				
5.1	Introduction, History and need	15-02-2021 to 16-02-2021	3:00 PM to 5:00 PM	Shri Banarsilal Mathpathi (Area Maintenance Manager), M/s Reliance Industries Limited,	
5.2	Process of Non-destructive testing				
5.3	Three important elements (NDE quality triangle)				
5.4	NDEqualifications				
5.5	Interpretation and evaluation of NDE indications				
5.6	Common NDE methods, its application and limitations				
5.7	Case Studies				
6	Periodic Inspection of Pressure Vessels				
	6.1	Precautions to be taken during Pre-Periodic Inspection	15-02-2021 to 16-02-2021	3:00 PM to 5:00 PM	Shri Banarsilal Mathpathi (Area Maintenance Manager), M/s Reliance Industries Limited,

					Jamnagar and Shri Samir L. Patel (Area Operation Manager), M/s Reliance Industries Limited, Jamnagar.
	6.2	Periodic Inspection of Pressure Vessels including Safety Relief Valves and other equipments installed over the Vessel.	17-02-2021 to 18-02-2021	3:00 PM to 5:00 PM	--Do--
	6.3	Precautions to be taken during Post- periodic Inspection of Pressure Vessels	19-02-2021	3:00 PM to 5:00 PM	--Do--
7	Fabrication and Stage Inspection of Pressure Vessels				
	7.1	Steps in Fabrication of Pressure Vessels	22-02-2021 to 24-02-2021	3:00 PM to 5:00 PM	Shri Ravindra M. Pathak, Director, M/s Ravi Industries, Pune
	7.2	Stage Inspection of Pressure Vessels	25-02-2021 to 26-02-2021	3:00 PM to 5:00 PM	--Do--
8	Contact Programme at NAPES & TS, Gondkhairy				
	8.1	Lectures on SMPV (U) Rules, 2016 including latest amendments of 2021 in SMPV (U) Rules, 2016, demonstration of Safety Relief Valves and excess Flow Valves and other safety fittings.	01-03-2021 to 03-03-2021	11:00 AM to 5:00 PM	Shri R. Piplani, Dy. CCE, Shri H. P. Sangole, Dy. CE, Shri A. J. Sonbarse, Dy. CE
	8.2	Visit to Pressure Vessel Fabrication units and M/s BPCL LPG Bottling Plant in Butibori, Distt. Nagpur	04-03-2021	9:00 AM to 5:00 PM	Shri R. Piplani, Dy. CCE, Shri H. P. Sangole, Dy. CE, Shri A. J. Sonbarse, Dy. CE
	8.3	Written Examination	05-03-2021	9:00 AM to 1:00 PM	Shri R. Piplani, Dy. CCE, Shri H. P. Sangole, Dy. CE, Shri A. J. Sonbarse, Dy. CE
	8.4	Valedictory Programme with distribution of Certificates	05-03-2021	3:00 PM to 5:00 PM	Valedictory Programme will be presided over by Shri M. K. Jhala, Chief Controller of Explosives(A.C.) and Special invitee Shri V. K. Mishra, Dy. Chief Controller of Explosives, PESO, HQ, Nagpur